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PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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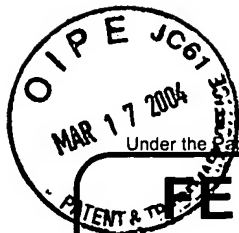
TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/692,265
	Filing Date	Oct 23, 2003
	First Named Inventor	Lambert
	Group Art Unit	2154
	Examiner Name	
Total Number of Pages in This Submission		Attorney Docket Number MS1-1714US

ENCLOSURES <i>(check all that apply)</i>		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers <i>(for an Application)</i> <input type="checkbox"/> Drawing(s) Sheets <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group <i>(Appeal Notice, Brief, Reply Brief)</i> <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) <i>(please identify below):</i> Return Receipt Post Card; PTO Form 1449; (14) references
Remarks 22801		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	David M. Huntley, Reg. No. 40,309
Signature	<i>David M. Huntley</i>
Date	3/15/2004

CERTIFICATE OF MAILING		
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first-class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date: 3/15/04		
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Signature	<i>Laurie Morgan</i>	Date 3/15/04

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PTO/SB/17 (10-03)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 0.00

Complete if Known

Application Number	10/692,265
Filing Date	Oct 23, 2003
First Named Inventor	Lambert
Examiner Name	
Art Unit	2154
Attorney Docket No.	MS1-1714US

METHOD OF PAYMENT (check all that apply)☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit Account Number
Deposit Account Name

12-0769

Lee & Hayes, PLLC

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1) (\$) 0.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent Claims	-20** =	X	
Multiple Dependent	-3** =	X	

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 0.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 0.00

SUBMITTED BY

(Complete (if applicable))

Name (Print/Type)	David M. Huntley	Registration No. (Attorney/Agent)	40,309	Telephone	(509) 324-9256
Signature	<i>David M. Huntley</i>	Date	3/15/2004		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No. 10/692,265
Filing Date Oct. 23, 2003
Inventorship Lambert et al.
Applicant Microsoft Corporation
Attorney's Docket No. MS1-1714US
Title: Analysis of Message Sequences

INFORMATION DISCLOSURE STATEMENT

References -- See Attached Form PTO-1449

REMARKS

The citations listed, copies attached, are submitted in compliance with the duty of disclosure defined in 37 CFR §1.56. The Examiner is requested to make these citations of official record in this application.

The Commissioner is hereby authorized to charge payment of fees or credit overpayments to Deposit Account No. 12-0769 as set forth in 37 CFR §1.17(p).

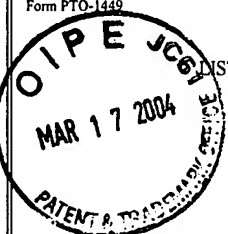
Respectfully Submitted,

Date: March 15, 2004

By: David M. Huntley
David M. Huntley
Reg. No. 40,309

03/16/2004 JELINAN 00000145 120769 10692265

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Form PTO-1449 		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. MS1-1714US		SERIAL NO. 10/692,265	
LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Lambert et al.			
				FILING DATE 10/23/2003		GROUP 2154	
U.S. PATENT DOCUMENTS							
*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
	5,528,759	6/1996	Moore				
	5,675,733	10/1997	Williams				
	6,219,826	4/2001	De Pauw et al.				
	2003/0110398 A1	6/2003	Dacier et al.				
FOREIGN PATENT DOCUMENTS							
	Document Number	Date	Country	Class	Subclass	Translation (Y or N)	
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)							
	John Lambert, "Using stack traces to identify failed executions in a Java distributed system," Masters Thesis, Case Western Reserve University, August 2002, pp. 1-177, also available at http://www.jlambert.com/john-lambert-thesis.pdf .						
	Andy Podgurski, David Leon, Patrick Francis, Wes Masri, Melinda Minch, Jiayang Sun and Bin Wang, "Automated Support for Classifying Software Failure Reports," Proceedings of the 25th International Conference on Software Engineering, IEEE Cat. No. 0-7695-1877-X/03, May 2003, pp. 465-475.						
	Gary Weiss and Haym Hirsh, "Learning to Predict Rare Events in Event Sequences," Proceedings of the Fourth International Conference on Knowledge Discovery and Data Mining, August 1998, pp. 359-363.						
	William Dickinson, David Leon and Andy Podgurski, "Pursuing Failure: The Distribution of Program Failures in a Profile Space," Proceedings of the 8 th European Software Engineering Conference Held Jointly with 9 th ACM SIGSOFT Symposium on Foundations of Software Engineering, 2001, pp. 246-255.						
	Albert Benveniste, Eric Fabre and Stefan Haar, "Markov Nets: Probabilistic Models for Distributed and Concurrent Systems," Technical Report 1538, Institut de Recherche en Informatique et Systemes Aleatoires, September 2001, pp. 1-42.						
	Website page entitled, "CLUTO, Version 2.1.1, November 2003: Software Package for Clustering High-Dimensional Datasets," available at http://www-users.cs.umn.edu/~karypis/cluto/ , accessed on February 3, 2004, one page.						
	Website page entitled, "WSI: Implementation Tools," available at http://www.ws-i.org/implementation.aspx , accessed on February 4, 2004, pp. 1-2.						
	Jim Clune et al., "Testing Work Group: WSI-I Analyzer Tool Functional Specification," August 2003, available at http://www.ws-i.org/implementation.aspx , pp. 1-59.						
EXAMINER				DATE CONSIDERED			
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U.S. PATENT DOCUMENTS							
*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
FOREIGN PATENT DOCUMENTS							
	Document Number	Date	Country	Class	Subclass	Translation (Y or N)	
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)							
	Peter Brittenham et al., "Testing Work Group: WSI-I Monitor Tool Functional Specification," September 2003, available at http://www.ws-i.org/implementation.aspx , pp. 1-29.						
	Brian Macker and Jacques Durand, "Testing Tools V1.0 User Guide," September 2003, available at http://www.ws-i.org/implementation.aspx , pp. 1-48.						
EXAMINER				DATE CONSIDERED			
<small>*EXAMINER: Initial if document considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>							